

TINA-D

~16° diffused spot beam optimized for Nichia NS6x83. Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	11.1 mm
Fastening	tape
ROHS compliant	yes ⓘ

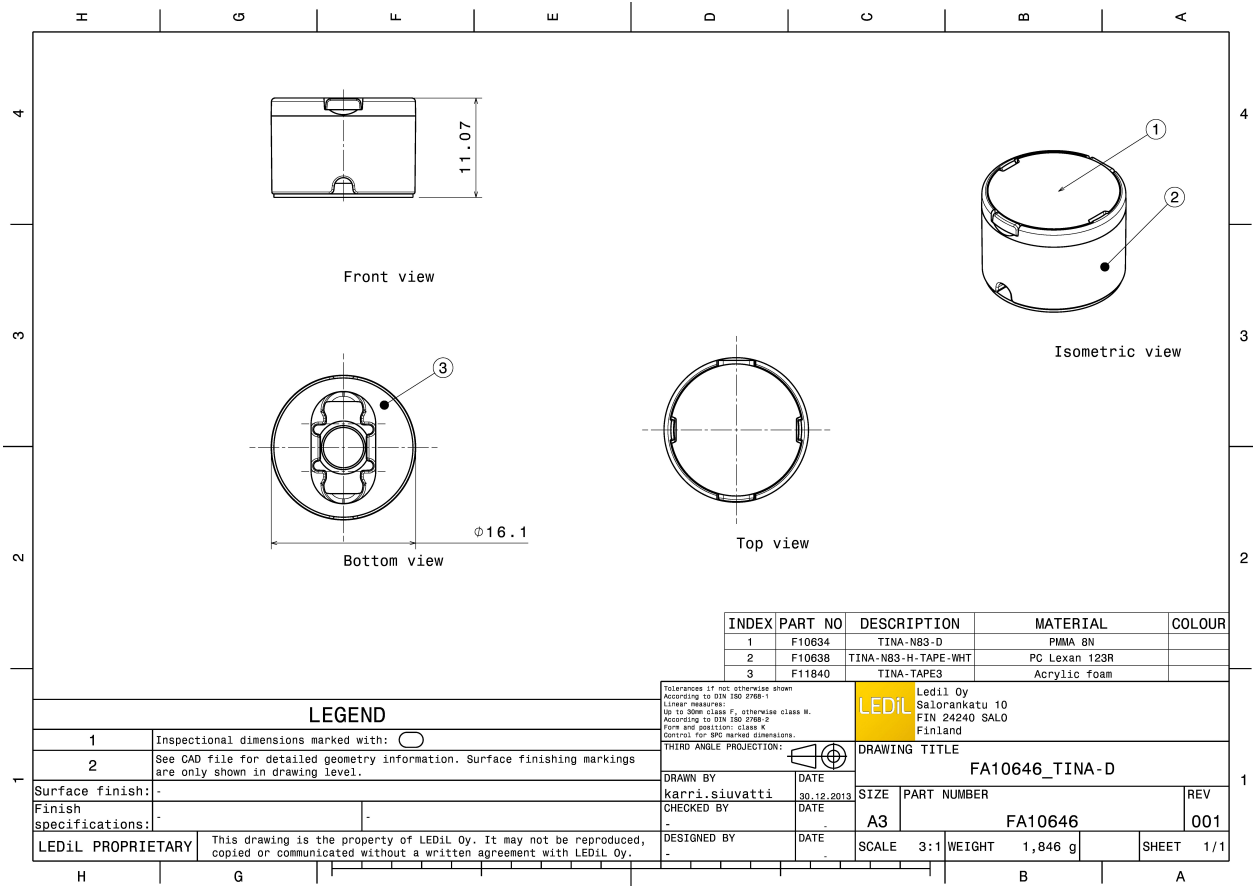


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-N83-D	Single lens	PMMA	clear	
TINA-N83-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10646_TINA-D	Single lens	2016	288	144	4.0
» Box size:					



See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

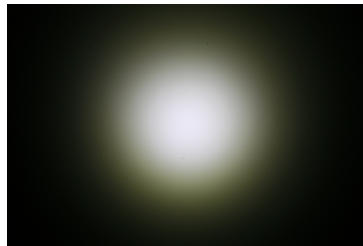
CREE → LED

LED MX-6
FWHM / FWTM 19.0° / 48.0°
Efficiency 91 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:


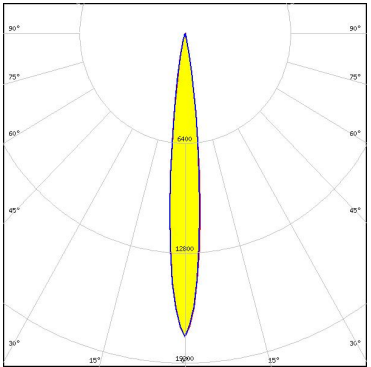

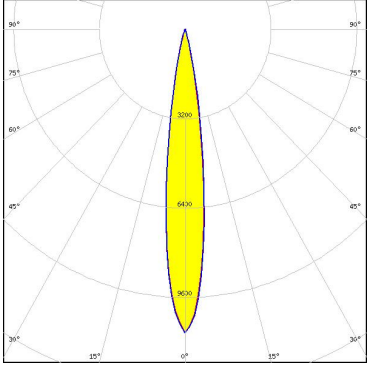

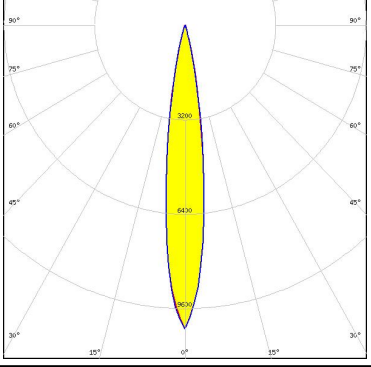

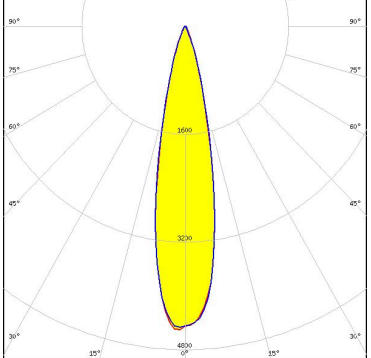


NICHIA

LED NS6x83
FWHM / FWTM 23.0° / 50.0°
Efficiency 92 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

	<p>LED: XP-E2 FWHM / FWTM: 12.0° / 22.0° Efficiency: 92 % Peak intensity: 17.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-G2 FWHM / FWTM: 14.0° / 28.0° Efficiency: 92 % Peak intensity: 10.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-L HI FWHM / FWTM: 14.0° / 28.0° Efficiency: 93 % Peak intensity: 10.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: NV4WB35AM FWHM / FWTM: 22.0° / 41.0° Efficiency: 90 % Peak intensity: 4.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 22.0° / 41.0° Efficiency: 90 % Peak intensity: 4.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW519A FWHM / FWTM: 20.0° / 38.0° Efficiency: 88 % Peak intensity: 5.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: 17.0° / 32.0° Efficiency: 88 % Peak intensity: 7.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: KW CULPM1.TG FWHM / FWTM: 12.0° / 23.0° Efficiency: 93 % Peak intensity: 16.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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